



## Gas treatment TMA 65



### Benefits

- Compact version of a fully-featured gas treatment system in a robust case
- Can be used as a portable or stationary gas treatment system
- Adjustable output dew point and alarm thresholds
- Gas cooler with 80 kJ/h nominal capacity
- Optional: humidity probe with bypass valve, rotameter
- With connection for 1 heated line (no control or controlled)
- Ready to operate after approx. 10 minutes

### Application

Portable gas treatment system for performing accurate gas analyses at changing sites with different analysis devices. Especially for long-term or continuous measurements and measurements involving pollution and/or condensate. Decisive for precise and reproducible measurement results.

### Versions

	Part no.
Gas treatment TMA 65	69483
Gas pump MGP 65 BV with bypass valve	69484
Humidity probe KFF 65	69494
Flow meter DFM 65 SK	69489

Blue part no. = in-stock items

### Description

The base version of TMA 65 consists of a gas cooler with condensate pump and filter. Irrespective of the ambient temperature, the gas cooler cools the gas down to the adjusted dew point. A safety circuit only releases the gas pump when the cooler has reached its point of operation. The gas cooler and the filter element are adapted to condition corrosive gases. With the optional gas pump with bypass valve and the flow meters, it is possible to supply up to two gas outlets individually. The function "cold start" enables fast use even at a storage temperature of less than 5 °C.



## Technical specifications

### Operating temperature range

Ambient: 5/50 °C

### Gas outlet dew point:

Adjustable: 2/20 °C

Factory setting: 5 °C

### Alarm thresholds

Adjustable, -3/-1 K and 1/7 K (around dew point)

Adjustable, -3/-1 K and 1/7 K

### Gas flow

50/280 l/h

### Operating pressure

0.2/2 bar absolut

### Static dew point

± 0.1 K

In entire range: ± 1.5 K

### Input dew point

Max. 70 °C

### Gas inlet temperature

Max. 140 °C

### Nominal cooling capacity

80 kJ/h at 25 °C

### Supply voltage

AC 230 V, 50/60 Hz

### Current input

Max. 250 VA (without heated gas line)

### Wetted parts

PVDF, Glass, Stainless steel, PTFE, sintered PTFE, Norprene, Viton®, epoxy resin

### Housing

W x H x D: 360 x 460 x 260 mm

Connection length low

temperature connec-

tor: 2.5 m

Weight: Approx. 13.5 kg (base device)

Degree of protection: IP 20 (EN 60529)

### Options

- Other connections for gas inlet/gas outlet
- Supply voltage AC 115 V, 50/60 Hz
- Gas pump MGP 65 BV with bypass valve
- Humidity probe KFF 65
- Flow meters DFM 65 SK